

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau



24 MAR 2005



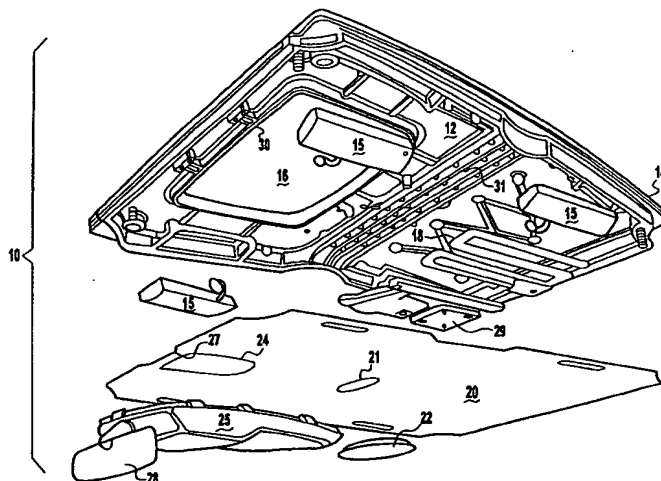
(43) International Publication Date
27 May 2004 (27.05.2004)

PCT

(10) International Publication Number
WO 2004/043770 A1

- (51) International Patent Classification⁷: **B62D 25/06**
- (21) International Application Number:
PCT/US2003/034700
- (22) International Filing Date: 31 October 2003 (31.10.2003)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:
60/424,566 7 November 2002 (07.11.2002) US
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- (81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (regional): ARIPO patent (BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).
- Published:**
- with international search report
 - before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments
- For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: **STRUCTURAL ROOF PANEL SYSTEMS**



(57) **Abstract:** A structural roof panel system for a vehicle includes mounting areas molded in or readily attached to the structural element. In a first embodiment, the roof panel is replaced by an engineered, structural system to support overhead components, the headliner, etc. In a second embodiment, an internal super-structure is located between the roof panel and a nonstructural headliner, all overhead system components being readily attachable to the super-structure at pre-designed and designated locations. In a third embodiment, the structural components are moved to pods, and all overhead components are attached thereto. In each embodiment, the headliner becomes an aesthetic and acoustic cover only that does not require structural strength. Furthermore, in each embodiment, a single, integral roof system can be supplied to a vehicle manufacturer, including the exterior panel, structural support for overhead components, the overhead components attached thereto, and the headliner.